uBooNE Reconstruction - Milestone #13400

Milestone # 13399 (New): Parent reconstruction milestones/tasks for reconstruction necessary for MCC8 and reconstruction "v6"

MCC8 and "v6" reconstruction development

08/02/2016 02:06 PM - Tracy Usher

Status:	New	Start date:	08/01/2016	
Priority:	Normal	Due date:	01/31/2017	
Assignee:		% Done:	31%	
Category:		Estimated time:	0.00 hour	
Target version:				
Description				
· ·	t milestone for the development pha	se of the intended improvements to	the reconstruction for MCC8	and
reconstruction "v		'		
Subtasks:				
Milestone # 13403	: Alternate Reconstruction Paths			New
Task # 13413: Int	egration of wire-cell into the LArSoft reco	enstruction chain		New
Task # 13415: Int	egration of linecluster/trajcluster into the	LArSoft reconstruction chain		New
Task # 14204: Int	egration of Cluster3D into LArSoft recons	struction		Work in progre
Milestone # 13404	: Optical Reconstruction			New
Task # 13418: Ur		New		
Task # 13419: Po		New		
Milestone # 13405		New		
Task # 13420: Sh	ower Reconstruction - Pandora tasks			New
Task # 13471: T	rack vs. shower classification			New
Task # 13472: S	shower merging and characterisation			New
Task # 13473: F		New		
Task # 13421: LA		New		
Task # 13425: Sh		New		
Task # 13633: Remove external shower-reconstruction dependency				Assigned
Task # 13634: C	Overlapping track removal			Assigned
Task # 13747: F	i0 Clustering			New
Task # 13635: Pi	data sample reconstruction			Assigned
Task # 13636: s	ample identification [through hand-scann	ing]		Resolved
Task # 13637: s		Resolved		
Task # 13638: s		New		
Task # 13639: s		New		
Task # 13640: E		New		
Task # 13641: electronics gain calculation				New
Task # 14360	: MC gain estimation and validation			New
Task # 14361: DATA gain validation				New
Task # 13643: lifetime correction				Resolved
Task # 13644: recombination correction				New
Task # 13645:	dead-wire region impact on energy			New
Task # 13646: charge clustering impact on energy estimation				New
Task # 13647:	containment of charge in TPC : study an	d corrections		New
Task # 13648: 3	D shower direction reconstruction			New
Task # 13649:	neutrino vertex resolution measurement	/estimation		New
Task # 13650: s	hower dE/dx reconstruction			New
Task # 13651: F	io Mass Peak reconstruction			New
Task # 13652:	detector energy calibration			New
Task # 13653:	data-driven 3D direction & energy resolu	tion calculation		New

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	Milestone # 13406: Vertex Reconstruction	New	
	Task # 13428: Vertex Reconstruction - Pandora tasks	New	
ĺ	Task # 13469: Creation and refinement of vertex candidates	New	
	Task # 13470: Scoring of vertex candidates	New	
	Milestone # 13407: Track Reconstruction	New	
	Task # 13427: Interface to new Track Fitter	New	
	Task # 13426: Track Reconstruction - Pandora tasks	New	
	Task # 13474: Missing tracks (fully-enclosed in gap in one view)	New	
l	Task # 13475: Improved 3D SpacePoints	New	
	Milestone # 13408: Cosmic Ray tagging for use in reconstruction	New	
	Milestone # 13409: Cosmic Ray Tagger reconstruction	New	
	Milestone # 13410: Hit Finding	New	
	Task # 14341: Optimize existing hit finder parameters	New	
	Milestone # 13411: Reconstruction workflow	New	
	Milestone # 13412: Final Object Selection	New	
Milestone # 13417: Common metrics for evaluation and validation		Assigned	

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